CLAIMS

- 1. (original) Method for producing a hair-fixing product in the form of a foil whereby
- first a rollable composition is prepared by dissolving or dispersing a polymer
 in a liquid carrier medium and
- then by means of a rolling device the composition is rolled into foil shape and

at the same time or subsequently the liquid carrier medium is evaporated.

- 2. (original) Method as defined in claim 1, characterized in that the polymer is a foil-forming and/or hair-fixing polymer.
- 3. (currently amended) Method as defined in one of the preceding claims claim $\underline{1}$, characterized in that the liquid carrier medium is selected from among water, alcohols, ethers, ketones and hydrocarbons and mixtures of said substances, provided that the substance or mixture of substances is liquid at room temperature (25 θ C).
- 4. (currently amended) Method as defined in one of the preceding claims claim 1, characterized in that the rollable composition contains the polymer in an amount from 10 to 80 wt.% and the liquid carrier medium in an amount from 20 to 90 wt.%.
- 5. (currently amended) Method as defined in one of the preceding claims claim 1, characterized in that after evaporation of the liquid carrier medium the amount of polymer in the foil is from 50 to 97 wt.%.
- 6. (currently amended) Method as defined in one of the preceding claims claim 1, characterized in that the composition contains at least one water-soluble polymer.

- 7. (currently amended) Method as defined in one of the preceding claims claim 1, characterized in that the composition contains pullulan.
- 8. (original) Method as defined in claim 7, characterized in that the pullulan has an average molecular weight from 10,000 to 5,000,000.
- 9. (Currently amended) Method as defined in claim 7 or 8, characterized in that the composition contains at least one additional hair-fixing polymer.
- 10. (original) Method as defined in claim 9, characterized in that the weight ratio of pullulan to the additional hair-fixing polymer is from 1:10 to 10:1.
- 11. (original) Method as defined in claim 10, characterized in that the additional hair-fixing polymer is selected
- from among polymers derived from at least one monomer selected from among vi-nyllactams, vinyl esters, vinyl alcohols, acrylamides, methacrylamides, alkylacrylamides, dialkylacrylamides, dialkylaminoalkylamides, dialkylaminoalkylacrylamides, dialkylaminoalkylacrylamides, alkyl acrylates, alkyl methacrylates, propylene glycol and ethylene glycol;
- from among polymers derived from at least one monomer selected from among a-crylic acid, methacrylic acid, crotonic acid, maleic acid, maleic anhydride and monoesters of maleic acid;
- from among polymers derived from at least one monomer selected from among trialkylmethacryloxyalkylammonium, trialkylacryloxyalkylammonium, dialkyldiallylammoni-um, alkylvinylimidazolium, alkylvinylpyridinium and alkylvinylpyrrolidone;
- from among polymers derived from at least one kind of monomer containing acid groups and from at least one other kind of monomer containing basic amino groups;

- from among polymers derived from at least one kind of monomer containing both quaternary amino groups and acid groups or from polymers derived from at least one first kind of monomer containing quaternary amino groups and at least one second kind of monomer containing acid groups..
- 12. (original) Method as defined in claim 11, characterized in that the additional polymer is selected from among polyvinylpyrrolidone, polyvinylcaprolactam, polyacrylamides, vi-nylpyrrolidone/vinyl acetate copolymer, crosslinked and uncrosslinked vinyl acetate/-crotonic acid copolymers, terpolymers vinylpyrrolidone, vinyl acetate and vinyl alka-noate, terpoly-mers of vinyl acetate, crotonate and vinyl alkanoate, partly esterified copo-lymers of vinyl methyl ether and maleic anhydride, copolymers of acrylic acid and/or me-thacrylic acid and alkyl acrylates, alkyl methacrylates, N-alkylacrylamides, N-alkyl-methacrylamides, and/or alkylacrylamide, polystyrene sulfonates, copolymers of alkylami-noalkyl methacrylate and two or more monomers selected from among acrylic acid, methacrylic acid or the C₁ to C₄ alkyl esters thereof, with at least one of the monomers containing an acid group; copolymers of acrylic acid, methacrylate and methacrylamido-propyltrimethylam-monium chloride, copolymers of acrylamidopropyltrimethylammonium chloride and acrylates, copolymers of 2acrylamide, acrylamidopropyltrimethylammonium chloride. amidopropylacrylamido sulfonate and dimethylaminopropylamine, copolymers of methacryloylethylbetaine and two or more monomers selected from among acrylic acid or the simple esters thereof, methylvinylimidazolium chloride/vinylpyrrolidone copolymers, polyvinylpyrrolidone/dialkylaminoalkyl methacrylate copolymers, vinylpyrroli-done/dialkylaminoalkyl methacrylate quaternized copolymers, homopolymers of dimethyldiallylammo-nium chloride, copolymers of dimethyldiallylammonium chloride and at least one other monomer, quaternized hydroxyethylcellulose or quaternized quar derivatives, terpolymers of vinylcaprolactam and a basic acrylamide vinylpyrrolidone, monomer methacrylamide monomer and

vinylpyrrolidone/methacrylamidoalkyltrimethylammonium chloride copoly-mers.

- 13. (currently amended) Method as defined in one of the preceding claims claim 1, characterized in that the foil additionally contains at least one substance selected from among emulsifiers, softeners, hair luster-imparting agents, preservatives, fragrances, pigments, product tinting agents and water-insoluble particulate solids.
- 14. (currently amended) Method as defined in one of the preceding claims claim 1, characterized in that the thick-ness of the foil after rolling is less than 0.5 mm.
- 15. Method as defined in one of the preceding claims, characterized in that gas bubbles are introduced into the foil.
- 16. (currently amended) Hair-styling foil made by a method as defined in one of claims 1 to 15 claim 1.
- 17. (original) Hair-styling foil containing at least 85 wt.% of at least one hair-fixing polymer and more than 3 wt.% of at least one surfactant.
- 18. (original) Hair-styling foil as defined in claim 17, characterized in that the hair-fixing polymer is selected from among polysaccharide-based polymers and nonionic synthetic polymers.
- 19. (original) Hair-styling foil as defined in claim 18, characterized in that it contains as the hair-fixing polymer a combination of (a) pullulan and (b) at least one polymer selected from among polyvinylpyrrolidone and polyvinylpyrrolidone/vinyl acetate copolymer, the weight ratio of (a) to (b) being less than 1:1.
- 20. (currently amended) Hair-styling foil as defined in one of claims 17 to 19 claim 17, characterized in that the surfactant used is a mixture of at least one cationic and at least one nonionic surfactant, the weight ratio of the cationic to the

nonionic surfactant being 1:10 to 10:1.

- 21. (original) Hair-styling foil containing at least 50 wt.% of hair-fixing polymers and containing pullulan in combination with at least one additional hair-fixing polymer, the weight ratio of pullulan to the additional hair-fixing polymer being less than 1:1.
- 22. (original) Hair-styling foil as defined in claim 21, characterized in that it contains pullulan in an amount from 15 to 45 wt.% and the additional hair-fixing polymer in an amount from 30 to 70 wt.%, provided that the weight ratio of pullulan to the additional hair-fixing polymer is less than 1:1.
- 23. (currently amended) Hair-styling foil as defined in one of claims 17 to 22 claim 17, characterized in that the foil thickness is less than 0.5 mm.
- 24. (currently amended) Hair-styling foil as defined in one of claims 17 to 23 claim 17, characterized in that it contains enclosed air bubbles.
- 25. (currently amended) Hair-styling foil as defined in one of claims 17 to 24 claim 17, characterized in that addition-ally it contains at least one polyol.
- 26. (original) Hair-styling foil as defined in claim 25, characterized in that it contains the polyols in an amount from 1 to 50 wt.% and that said polyols are selected from among glycols, glycerols, sugar alcohols and polyethylene glycols that are liquid at $25 \, \theta$ C.
- 27. (original) Hair-styling foil containing at least 50 wt.% of hair-fixing polymers, characterized in that the foil is treated with a powdered release agent adhering to the foil.